

PineWood Racer Interface Parts					
Integrated Circuits					
U1-U2	900-3417	74HC08 (DIP)	2	\$0.37	\$0.74
U3	900-3413	74HC04 (DIP)	1	\$0.37	\$0.37
U4	900-6922	4N25 (DIP)	1	\$0.30	\$0.30
Resistors					
R1	900-0266	100K ohms	1	\$0.07	\$0.07
R2-R4	900-0218	1K ohms	4	\$0.07	\$0.28
R5	900-0200	180 ohms	1	\$0.07	\$0.07
R6	900-0206	330 ohms	1	\$0.07	\$0.07
RP1	900-8193	10pin 9Resistor 10K resistor pack	1	\$0.25	\$0.25
Diodes					
D1-D6	900-2908	1N4148	6	\$0.15	\$0.90
D7-D8	276-1101	1N4001	2	\$0.07	\$0.14
D9	900-6088	Red LED T-1 3/4	1	\$0.21	\$0.21
D10	900-6089	Green LED T-1 3/4	1	\$0.22	\$0.22
Capacitors					
C1-C4	900-2240	(monolithic) .1uf	4	\$0.31	\$1.24
Transistors					
Q1-Q2	900-5369	NPN MPS2222A	2	\$0.10	\$0.20
Q3	900-5381	NPN MPSW01	1	\$0.31	\$0.31
Cable Jacks					
JP1	910-7590	Right Angle Ribbon Header 26 pin	1	\$1.79	\$1.79
JP2	910-7585	Right Angle Ribbon Header 10 pin	1	\$1.39	\$1.39
JP3	274-246	1/8" jack	1	\$1.49	\$1.49
Box					
	910-1707	S Series Enclosures (Serpac)	1	\$3.49	\$3.49
Total Cost of Parts					\$13.53

Gate and Sensor Device					
Transistors					
Q1-Q6	276-145	Infrared Phototransistor *	12	\$0.99	\$11.88
Switch					
S1	275-016	SPDT switch	1	\$1.89	\$1.89
Connectors					
J1	276-1538	DB9 Female	2	\$1.29	\$2.58
	276-1539	DB9 Hood	2	\$0.99	\$1.98
	278-1218	22 Gauge Hookup Wire	1	\$3.99	\$3.99
Total Cost of Parts					\$18.33

Cable Connectors					
External Ribbon Cables					
	910-3830	34 Conductor Ribbon Cable	2	\$0.51	\$1.02
	910-7525	Socket w/Strain Relief 10pin	1	\$1.29	\$1.29
	910-7530	Socket w/Strain Relief 26pin	1	\$2.39	\$2.39
	910-2716	DB9 Male	2	\$3.35	\$6.70
	910-2718	DB25 Male	1	\$3.85	\$3.85
Total Cost of Parts					\$11.40

Totals of all Sections	
	\$13.53
	\$18.33
	\$11.40
Special Order Shipping Charges	\$5.00
Grand Total of All Parts for Full Kit	\$43.26

Note: Prices can change without notice! Contact your local RadioShack for current pricing. The part numbers that begin with 900 or 910 are part's out of RadioShacks "Commercial Catalog" part numbers that begin with other prefixes are in store items. All prices are correct as of 2/16/01.
